

Lake District National Park

Forecast valid from 06:00 on Sunday 29 Jan 2023 until 23:59 on Monday 30 Jan 2023

Forecast Issued on Sunday 29 Jan 2023 at 02:10

Confidence: High, but Medium for cloud details.

Headline for Sunday 29 Jan 2023: Dry and bright start. Lowering cloud with mist, drizzle and strengthening winds.

Mountain weather hazards on Sunday 29 Jan 2023

Blizzards

No Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

High Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
	FOG	FOG	FOG		
Cloudy	Fog	Fog	Fog	Heavy Rain	Partly cloudy (night)
Precipitation probability					
00%	<05%	30%	60%	70%	50%

Forecast for Sunday 29 Jan 2023

Weather: Dry overnight, some summit cloud, perhaps misty at times in the south. Some early bright spells, but cloud probably becoming extensive around the summits in the morning with mist and drizzle through the afternoon, then more persistent rain in the evening, turning wintry over the summits. Clearer conditions by late evening.

Chance of cloud-free hill tops above 800m: 60% early morning, becoming 10% during morning.

Low cloud and visibility: Occasional or patches around the summits, becoming extensive around 500m by midday, lowering 300m or less at times. Visibility mainly very good at first, except in summit cloud, becoming moderate to very poor during the day.

Forecast for Sunday 29 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	28/33 SW	29/35 SW	31/38 SW	36/45 SW	44/56 W	38/49 W	41/52 W
600	23/29 SW	24/30 SW	25/33 SW	28/38 SW	34/47 W	29/42 W	31/44 W
300	8/23 W	11/27 W	10/27 SW	11/31 W	12/38 W	12/35 W	13/37 W
Valley	7/21 W	8/22 W	10/24 SW	11/28 W	11/32 W	11/30 W	12/32 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-9	-1/-9	1/-7	2/-6	3/-5	0/-8	-1/-10
600	1/-6	1/-6	3/-4	4/-3	4/-2	2/-4	1/-6
300	3/0	3/-0	4/1	5/2	6/3	5/1	4/-0
Valley	5/2	5/3	6/3	7/4	8/5	7/4	6/3
Freezing Level*	700m	800m	1400m	1500m	1600m	800m	700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

West or southwest winds gradually strengthening with summit gales from mid-afternoon giving difficult walking conditions.

Forecast for Monday 30 Jan 2023

Weather: Mainly dry and clear overnight, perhaps the odd wintry shower, then dry and bright during daylight hours with occasional sunny spells. Feeling cold in the strong northwest winds over the summits. Lowering cloud with outbreaks of rain and summit snow developing in the evening.

Maximum wind: Northwest 25 to 30mph, gusting 40mph with a severe wind chill, backing Southwest later.

Chance of cloud-free hill tops above 800m: 70% lowering 20% later in the evening.

Low cloud and visibility: Occasional or patchy cloud around the summits at times, becoming extensive, base 600m, later in the evening. Visibility very good except in any summit cloud, becoming moderate to very poor later in the evening.

Temperature: **Valleys:** Plus 2 Celsius rising to 6 Celsius
At 800m: Zero to Plus 2 Celsius
Freezing level: 600 to 800m, rising above the summits late in the evening.

Ground Conditions Supplement

Date: Saturday 28 January. Location: Helvellyn summit at 13:11. Temperature: plus 1.1degC. Maximum wind speed 13.3mph. Wind chill: minus 4.8degC. Average wind speed: 9.9mph

Full report:

A cloudy day with light rain improving only slowly through the day. The majority of the fells are snow-free apart from old drifts in sheltered depressions, however, larger areas of snow are still present, predominantly on Helvellyn and its surrounding fells and most notably on shady north and east-facing slopes above 800m. In these areas accumulations remain up to knee-deep in-depth and cornices (snow overhangs) are present around corrie rims. The snow today was soft lower down but became firmer with height, particularly in areas where it has been compressed by walkers' feet. The Helvellyn edges are a mixture of exposed rock and snow, and anyone considering these or similar steep and exposed routes are advised to carry an ice axe and crampons/microspikes. It's also worth noting that winds up to 70mph are in the forecast for tomorrow.

Full winter clothing (warm and waterproof) including hats and gloves, as well as a map, compass, and headtorch, are all essential for anyone venturing into the high fells.

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Issued at: 02:10 on Sun 29 Jan 2023